

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| L1 | 1346 | 166/241.1,241.3,241.7,222,241.2,241.4, 241.5.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/06/20 13:20 |
| L2 | 2737 | 366/312,325.2,308,249,254,66,195,343. ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/06/20 13:20 |
| L3 | 550 | 175/263,319.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/06/20 13:20 |
| L4 | 857 | 405/53,55.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/06/20 13:20 |
| L5 | 1460 | 261/92.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/06/20 13:20 |
| L6 | 866 | 416/140,44.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/06/20 13:20 |
| L7 | 7809 | L1 L2 L3 L4 L5 L6 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/06/20 13:21 |
| L8 | 47 | 7 and (@pd>"20041127") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/06/20 13:21 |
| S1 | 214 | (166/241.1).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/23 23:53 |
| S2 | 41 | (166/241.3).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2002/02/07 14:39 |

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|-----|-------|--|---|----|-----|------------------|
| S3 | 83 | (166/241.7).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2002/02/07 14:39 |
| S4 | 179 | (417/430).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/10/03 17:11 |
| S5 | 209 | (166/222).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/10/04 16:38 |
| S6 | 8 | rod and stabalizer | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/04 09:31 |
| S7 | 15770 | rod and stabilizer | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/04 09:31 |
| S8 | 6 | (rod and stabilizer) and centrifical | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/04 09:33 |
| S9 | 789 | (rod and stabilizer) and centrifugal | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/04 09:33 |
| S10 | 166 | rod same extend and ((rod and stabilizer) and centrifugal) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/04 09:39 |
| S11 | 38 | laterally with (raise or extend) with centrifugal | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/04 10:00 |
| S12 | 235 | (rod or arm) with (raise or extend) with centrifugal | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/04 10:12 |
| S13 | 1 | BE-782447-\$.DID. | DERWENT | OR | OFF | 2001/10/04 10:01 |
| S14 | 117 | (rod or arm) with (raise or extend) and (stabilizer or centrilizer) and (well-bore or wellbore or borehole or bore-hole) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/04 10:16 |
| S15 | 2 | (rod or arm) with (raise or extend) with (stabilize or centrilize) and (well-bore or wellbore or borehole or bore-hole) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/04 10:16 |

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| S16 | 362 | (366/312).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/10/04 10:36 |
| S17 | 165 | (366/325.2).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/10/04 10:42 |
| S18 | 77 | (366/308).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/10/09 10:05 |
| S19 | 89 | (366/249).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/10/04 10:53 |
| S20 | 29 | (366/254).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/10/04 11:02 |
| S21 | 831 | (261/92).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/10/04 10:56 |
| S22 | 423 | (416/140).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/10/04 11:20 |
| S23 | 132 | (366/66).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/10/04 11:24 |
| S24 | 186 | (366/195).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/10/04 11:32 |
| S25 | 681 | (366/343).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/10/04 11:46 |

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|-----|-----|---|---|----|-----|------------------|
| S26 | 60 | ("0427963" "0579055" "1159080" "2092353" "2161508" "2577802" "3011768" "3166303" "3223389" "3326533" "3333831" "3455540" "3456923" "3559962" "3972512" "3991983" "4396291" "4981367" "5073033" "5489151" "5676463" "5938325" "5941636").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/04 11:47 |
| S27 | 17 | ("0364059" "1435289" "1447653" "1827004" "1841435" "3132850" "3223389" "3559962").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/04 11:50 |
| S28 | 15 | "3559962".URPN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/04 11:50 |
| S29 | 6 | "1447653".URPN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/04 11:51 |
| S30 | 6 | "4396291".URPN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/04 12:26 |
| S31 | 17 | ("1179637" "2115956" "2697195" "3068186" "3223389").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/04 12:26 |
| S32 | 10 | "3455540".URPN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/04 12:27 |
| S33 | 15 | "3559962".URPN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/04 12:27 |
| S34 | 7 | ("1227671" "3223389" "3455540").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/04 12:28 |
| S35 | 2 | "1227671".URPN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/04 12:28 |
| S36 | 147 | (416/44).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/10/04 13:09 |
| S37 | 30 | ("1423511" "1577502" "1635769" "2416178" "2613786" "2780966" "3016217" "3117726" "4534803" "4776761" "6027309").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/04 13:07 |

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| S38 | 14471 | cavity with tool | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/04 13:10 |
| S39 | 6 | cavity adj subsurface and (cavity with tool) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/04 13:12 |
| S40 | 53 | (166/104).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/10/04 13:14 |
| S41 | 73 | (rat adj hole) and pump | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/04 13:15 |
| S42 | 122 | ("1892217" "2085115" "2447827" "2483370" "2651370" "2730176" "2894724" "3405770" "3520362" "3743017" "3754598" "3923099" "4001773" "4015662" "4058163" "4121895" "4342364" "4432078" "4449892" "4469175" "4614232" "4624306" "4702315" "4775016" "4817712" "4923376" "5135051" "5147535" "5159160" "5282508" "5309405" "5319610" "5323855" "5417281" "5515918" "5582247" "5839508" "6094401").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/04 13:25 |
| S43 | 49 | (166/241.2).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/10/04 13:55 |
| S44 | 97 | (166/241.4).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/10/04 13:57 |
| S45 | 87 | (166/241.5).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/10/04 13:57 |
| S46 | 53 | (166/104).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/10/04 14:47 |
| S47 | 3 | ("5494121").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/10/04 15:04 |

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| S48 | 3 | "5494121".URPN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/04 15:07 |
| S49 | 29 | ("0054144" "0639036" "1189560" "1285347" "1467480" "1485615" "4116012" "5148875" "5174374").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/04 15:00 |
| S50 | 145 | (175/319).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/10/04 15:04 |
| S51 | 406 | ("0054144" "0274740" "0526708" "0639036" "1189560" "1285347" "1467480" "1485615" "1674392" "1777961" "2018285" "2069482" "2150228" "2169718" "2335085" "2450223" "2490350" "2679903" "2726063" "2780018" "2847189" "2911008" "2980142" "3347595" "3443648" "3503377" "3528516" "3530675" "3681011" "3692041" "3757877" "3800830" "3809519" "3828867" "3874413" "3902322" "3934649" "3957082" "3961824" "4037658" "4073351" "4089374" "4116012" "4156437" "4160510" "4189184" "4220203" "4221433" "4257650" "4278137" "4295785" "4299295" "4312377" "4317492" "4366988" "4372398" "4390067" "4396076" "4397360" "4401171" "4407376" "4444896" "4494010" "4512422" "4527639" "4532986" "4544037" "4558744" "4566252" "4600061" "4605076" "4611855" "4618009" "4638949" "4674579" "4702314" "4715400" "4763734" "4830105" "4842061" "4852666" "4978172" "5016710" "5035605" "5036921" "5074360" "5074365" "5074366" "5111893" "5135058" "5148875" "5168042" "5174374" "5197553" "5197783" "5199496" "5201617" "5217076" "5240350" "5242017" "5246273" "5255741" "5271472" "5301760" "5363927" "5385205" "5402851" "5411085" "5411104" "5450902" "5454410" "5462116" "5469155" "5485089" "5494121" "5501173" "5501279" "5584605" "5615739" "5658347" "5669444" "5690390" "5706871" "5720356" "5785133" "5832958" "5853054" "5868202" "5868210" "5879057" "5917325" "5934390" "5957539" "6024171").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/04 15:06 |

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| S52 | 266 | 175/263 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/09 11:31 |
| S53 | 34 | (166/255.2).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/10/04 16:38 |
| S54 | 427 | (405/53).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/10/09 10:21 |
| S55 | 7 | "3636976".URPN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/09 10:18 |
| S56 | 5 | ("2657826" "2372678").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/09 10:20 |
| S57 | 1 | "4253490".URPN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/09 10:20 |
| S58 | 15 | ("2996073" "3631880" "3636976" "3946758" "4107052").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/09 10:20 |
| S59 | 204 | (405/55).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/10/09 10:21 |
| S60 | 153 | (175/263).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2001/10/09 11:32 |
| S61 | 2 | "4616720".URPN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/09 11:37 |
| S62 | 7 | ("2910274" "3038710" "3336989").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/09 11:37 |
| S63 | 1 | "3236320".URPN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2001/10/09 11:38 |

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| S89 | 48 | ((("0054144") or ("0130442") or ("0274740") or ("0526708") or ("0639036") or ("1189360") or ("1285347") or ("1467480") or ("1485615") or ("1674392") or ("1777961") or ("2033521") or ("2069482") or ("2150228") or ("2169718")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/26 22:37 |
| S90 | 40 | ((("2335085") or ("2490350") or ("2679903") or ("2726063") or ("2783018") or ("2847189") or ("2911008") or ("2980142") or ("3107731") or ("3347595") or ("3443648") or ("3473571") or ("3503377") or ("3528516") or ("3684041")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2002/05/02 13:05 |
| S91 | 4 | "9421889" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2002/05/02 13:06 |
| S99 | 2 | ("6412556").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/23 23:54 |
| S100 | 2 | ("3747842").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/11/26 18:21 |

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| S101 | 178 | ("0054144" "0130442" "0274740" "0526708" "0639036" "1189360" "1230666" "1285347" "1467480" "1485615" "1674392" "1777961" "2018285" "2033521" "2069482" "2150228" "2169718" "2335085" "2450223" "2490350" "2679903" "2726063" "2783018" "2847189" "2911008" "2980142" "3107731" "3236320" "3347595" "3443648" "3473571" "3503377" "3528516" "3530675" "3684041" "3692041" "3757876" "3757877" "3800830" "3809519" "3828867" "3874413" "3902322" "3934649" "3957082" "3961824" "4037658" "4073351" "4089374" "4116012" "4156437" "4169510" "4189184" "4220203" "4221433" "4257650" "4278137" "4296785" "4299295" "4312377" "4317492" "4366988" "4372398" "4390067" "4396076" "4397360" "4401171" "4407376" "4442896" "4494616" "4512422" "4527639" "4532986" "4544037" "4558744" "4565252" "4600061" "4605076" "4611855" "4618009" "4638949" "4674579" "4702314" "4715440" "4763734" "4830105" "4842081" "4852666" "4978172" "4981367" "5016710" "5035605" "5036921" "5074360" "5074365" "5074366" "5111893" "5135058" "5148875" "5168942" "5174374" "5197553" "5197783" "5199496" "5201817" "5217076" "5240350" "5242017" "5246273" "5255741" "5271472" "5301760" "5363927" "5385205" "5402851" "5411085" "5411104" "5450902" "5454419" "5462116" "5469155" "5485089" "5494121" "5501273" "5501279").PN. OR ("5584605" "5613425" "5615739" "5659347" "5669444" "5690390" "5706871" "5720356" "5785133" "5832958" "5853054" "5868202" "5868210" "5879057" "5917325" "5934390" "5957539" "6024171").PN. OR ("6412556").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/26 20:03 |
| S102 | 97 | agitator and ("166"/\$.ccls.) and pump | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2004/11/26 20:04 |
| S103 | 6 | ("2662486").URPN. | USPAT | OR | ON | 2004/11/26 20:29 |
| S104 | 7 | ("1230666").URPN. | USPAT | OR | ON | 2004/11/26 21:29 |
| S105 | 5 | ("3378069").URPN. | USPAT | OR | ON | 2004/11/26 21:58 |

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| S106 | 163 | ("0054144" "0130442" "0274740" "0526708" "0639036" "1189560" "1230666" "1285347" "1467480" "1485615" "1674392" "1777961" "2028285" "2033521" "2069482" "2150228" "2169718" "2335085" "2450223" "2490350" "2679903" "2726063" "2783018" "2847189" "2911008" "2980142" "3107731" "3236320" "3347595" "3443648" "3473571" "3503377" "3528516" "3530675" "3684041" "3692041" "3757876" "3757877" "3800830" "3809519" "3828867" "3874413" "3902322" "3934649" "3957082" "3961824" "4037658" "4073351" "4089374" "4116012" "4156437" "4169510" "4189184" "4220203" "4221433" "4257650" "4278137" "4296785" "4299295" "4312377" "4317492" "4366988" "4372398" "4390067" "4396076" "4397360" "4401171" "4407376" "4442896" "4494616" "4512422" "4527639" "4532986" "4544037" "4558744" "4565252" "4600061" "4605076" "4611855" "4618009" "4638949" "4674579" "4702314" "4715440" "4763734" "4830105" "4842081" "4852666" "4978172" "4981367" "5016710" "5035605" "5036921" "5074360" "5074365" "5074366" "5111893" "5135058" "5148875" "5168942" "5174374" "5197553" "5197783" "5199496" "5201817" "5217076" "5240350" "5242017" "5246273" "5255741" "5271472" "5301760" "5363927" "5385205" "5402851" "5411085" "5411104" "5450902" "5454419" "5462116" "5469155" "5485089" "5494121" "5501273" "5501279" "5584605" "5613425" "5615739" "5659347" "5669444" "5690390" "5706871" "5720356" "5785133" "5832958" "5853054" "5868202" "5868210" "5879057" "5917325" "5934390" "5957539" "6024171" "5018285" "6412556" "6454000" "2290502" "3339647" "4887668" "5402856" "5722489" "6227312" "6378626" "1589508" "3087552" "4158388" "4243099" "4549630" "5348091" "5413183" "6082461" "6217260" "6494272"). PN. | US-PGPUB; USPAT | OR | ON | 2004/11/26 22:09 |
| S107 | 3 | ("4151880" "6644422" "20020070052"). PN. | US-PGPUB; USPAT | OR | ON | 2004/11/26 22:09 |
| S108 | 0 | S106 and S107 | US-PGPUB; USPAT | OR | ON | 2004/11/26 22:09 |
| S109 | 1333 | 166/241.1,241.3,241.7,222,241.2,241.4,241.5.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2004/11/26 22:38 |
| S110 | 281 | 417/430.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2004/11/26 22:39 |

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| S111 | 2719 | 366/312,325.2,308,249,254,66,195,343. ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2004/11/26 22:40 |
| S112 | 548 | 175/263,319.cccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2004/11/26 22:41 |
| S113 | 850 | 405/53,55.cccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2004/11/26 22:41 |
| S114 | 1458 | 261/92.cccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2004/11/26 22:41 |
| S115 | 861 | 416/140,44.cccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2004/11/26 22:41 |